



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Lawson Industries, Inc.
8501 NW 90 Street
Medley, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series HS-8700 Aluminum Horizontal Sliding Window

APPROVAL DOCUMENT: Drawing No. **W02-07**, dated 01/21/02, with revision A dated 03/14/02, titled "HS-8700 Alum. Horiz. Sliding Window", sheets 1 through 5, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

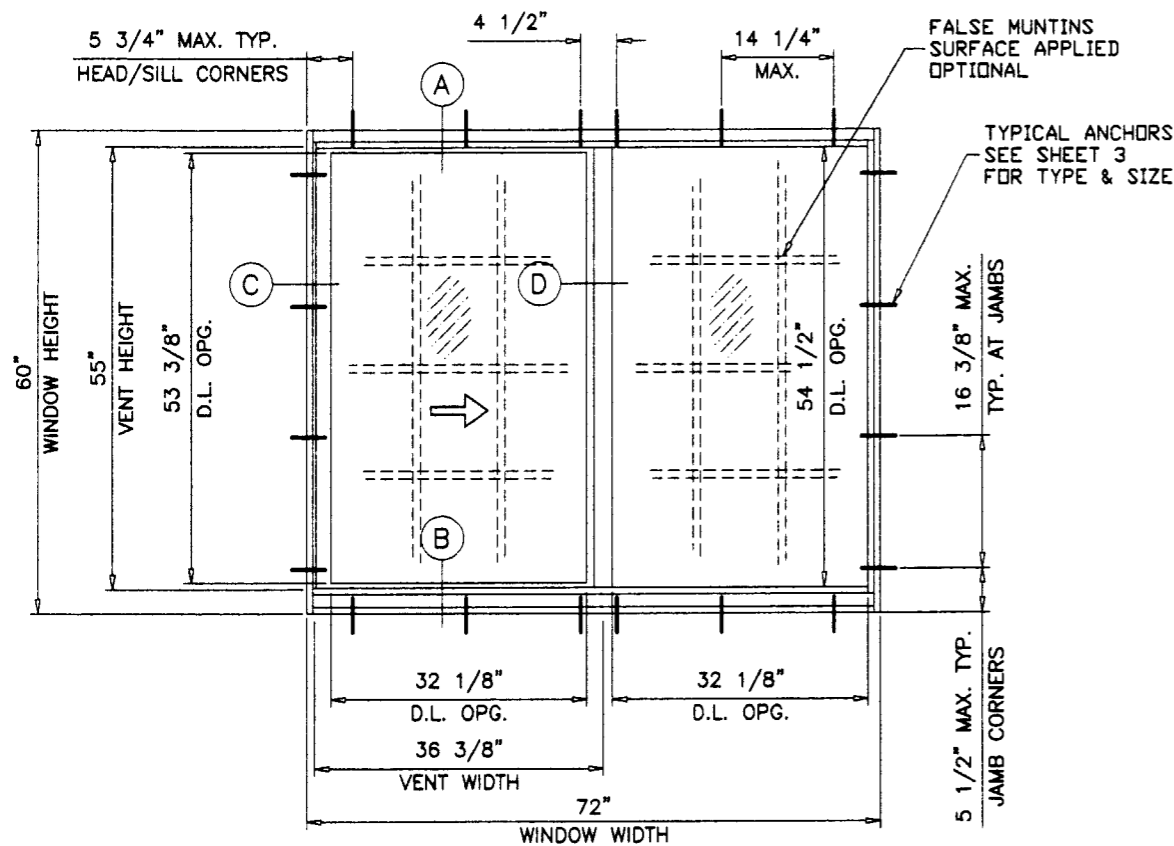
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

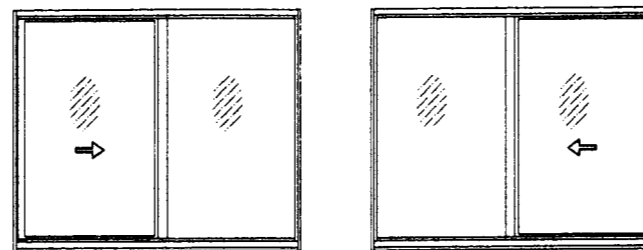
The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 02-0227.05
Expiration Date: April 11, 2007
Approval Date: April 11, 2002
Page 1



TYPICAL ELEVATION
TESTED UNIT

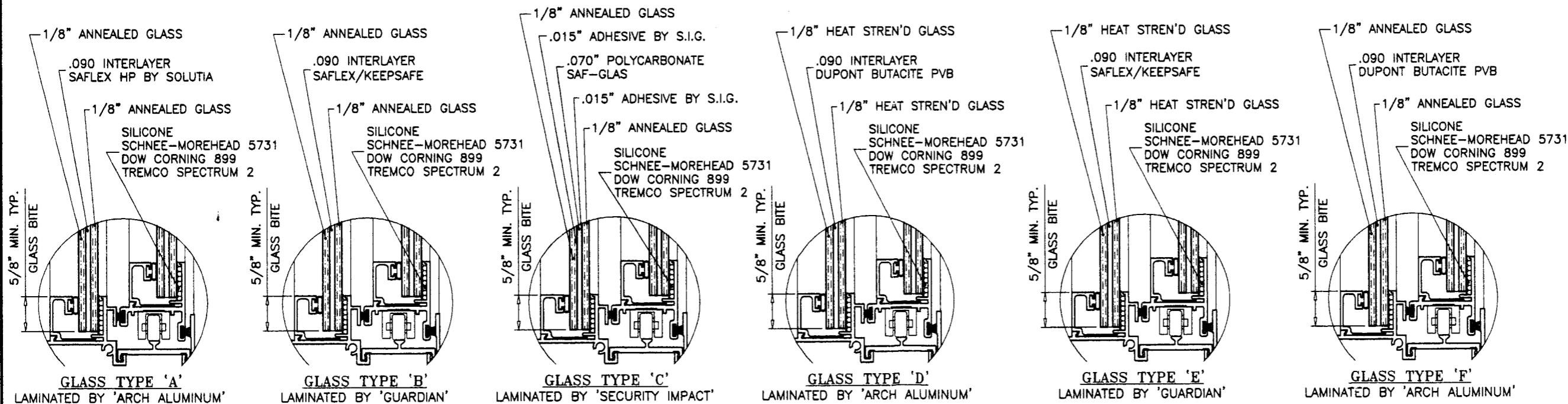


XO **OX**
FOR XO OR OX SIZES VENT AND
FIXED GLASS TO BE EQUAL WIDTHS

APPROVED CONFIGURATIONS

NOTES:

1. THIS PRODUCT IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY OR 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.



GLAZING OPTIONS

LARGE MISSILE IMPACT RESISTANT GLASS, SHUTTERS ARE NOT REQUIRED
SEE SHEET 2 FOR CAPACITIES

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

MAR 15 2002

Approved as complying with the
Florida Building Code
Date **04-11-2002**
NOA# **02-0227-05**
Miami Dade Product Control
Division
By *[Signature]*

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W02-07LI

HS-8700 ALUM HORIZ. SLIDING WINDOW
LAWSON INDUSTRIES
7030 N.W. 37 TH. COURT
MIAMI, FL. 33147
TEL. (305) 696-8660 FAX (305) 696-6006

revisions:	no.	date	by	description
	A	03.14.02		REV. PER BCCO COMMENTS

date: 01-21-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-07
sheet 1 of 5

DESIGN LOAD CAPACITY - PSF (X0 OR OX SIZES)																						
WINDOW DIMS.		A	GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'				GLASS TYPE 'D'				GLASS TYPE 'E'				GLASS TYPE 'F'			
			3/16" TAPCONS		3/16" TAPCONS		3/16" TAPCONS		1/4" TAPCONS		3/16" TAPCONS		1/4" TAPCONS		3/16" TAPCONS		1/4" TAPCONS		3/16" TAPCONS		1/4" TAPCONS	
			EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	24"	4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		6	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
60"		6	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
72"		6	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
24"	36"	4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		6	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
60"		6	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
72"		6	70.0	70.0	60.0	60.0	74.8	74.8	74.8	74.8	70.0	70.0	70.0	70.0	80.0	79.3	80.0	80.0	74.8	74.8	74.8	74.8
24"	48"	4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		4	70.0	70.0	60.0	60.0	80.0	79.3	80.0	90.0	70.0	70.0	70.0	70.0	80.0	79.3	80.0	80.0	80.0	79.3	80.0	80.0
48"		6	70.0	70.0	60.0	60.0	80.0	89.3	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	89.3	80.0	80.0
60"		6	66.2	66.2	60.0	60.0	66.2	66.2	66.2	66.2	70.0	70.0	70.0	70.0	80.0	71.4	80.0	80.0	66.2	66.2	66.2	66.2
72"		6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	70.0	59.5	70.0	70.0	80.0	59.5	80.0	80.0	54.6	54.6	54.6	54.6
24"	60"	4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		4	70.0	63.5	60.0	60.0	80.0	63.5	80.0	90.0	70.0	63.5	70.0	70.0	80.0	63.5	80.0	80.0	80.0	63.5	80.0	80.0
48"		6	70.0	70.0	60.0	60.0	78.8	71.4	78.8	78.8	70.0	70.0	70.0	70.0	80.0	71.4	80.0	80.0	78.8	71.4	78.8	78.8
60"		6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	70.0	57.1	70.0	70.0	-	-	-	-	-	-	-	-
72"		6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	70.0	47.6	70.0	70.0	-	-	-	-	-	-	-	-
26-1/2"	26"	4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		6	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
74"		6	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
26-1/2"	38-3/8"	4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"		6	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
74"		6	66.7	66.7	60.0	60.0	66.7	66.7	66.7	66.7	70.0	70.0	70.0	70.0	80.0	72.4	80.0	80.0	66.7	66.7	66.7	66.7
26-1/2"	50-5/8"	4	70.0	70.0	60.0	60.0	80.0	90.0	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		4	70.0	70.0	60.0	60.0	80.0	73.2	80.0	90.0	70.0	70.0	70.0	70.0	80.0	73.2	80.0	80.0	80.0	73.2	80.0	80.0
53-1/8"		6	70.0	70.0	60.0	60.0	73.3	73.3	73.3	73.3	70.0	70.0	70.0	70.0	80.0	76.5	80.0	80.0	73.3	73.3	73.3	73.3
74"		6	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	70.0	54.9	70.0	70.0	80.0	54.9	80.0	80.0	50.5	50.5	50.5	50.5
26-1/2"	63"	4	70.0	70.0	60.0	60.0	80.0	82.1	80.0	90.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
37"		4	70.0	58.8	60.0	58.8	80.0	58.8	80.0	90.0	70.0	58.8	70.0	70.0	80.0	58.8	80.0	80.0	80.0	58.8	80.0	80.0
53-1/8"		6	63.8	61.4	60.0	60.0	63.8	61.4	63.8	63.8	70.0	61.4	70.0	70.0	80.0	61.4	80.0	80.0	63.8	61.4	63.8	63.8

A = NO. OF ANCHORS PER HEAD & SILL

THESE CHARTS ARE FOR FRAME SILL WITH ADD-ON RISER
FOR STANDARD SILL LIMIT EXTERIOR(+) LOADS TO 70.0 PSF

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

MAR 15 2002

Approved as complying with the
Florida Buiding Code
Date: 01/11/2002
NOA# 02-0227-05
Miami Dade Product Control
Division
By: *[Signature]*

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HS-8700 ALUM HORIZ. SLIDING WINDOW

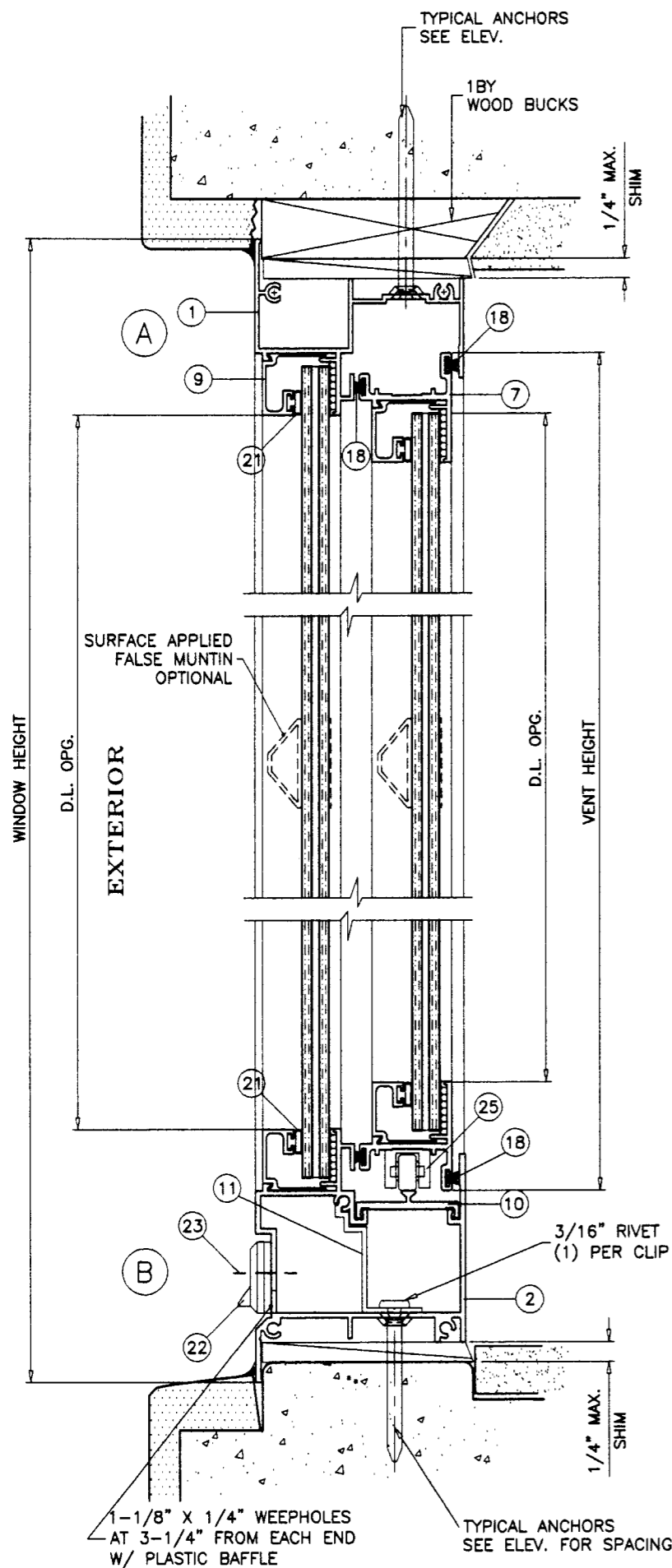
LAWSON INDUSTRIES
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revisions:

no	date	by	description

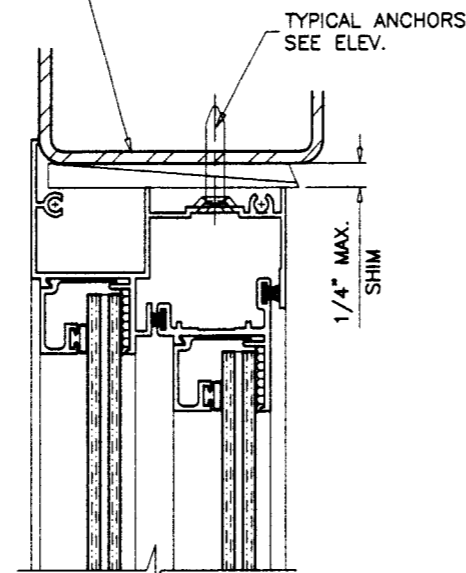
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dr. by: HAMID
chk. by:

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W02-07
sheet 2 of 5

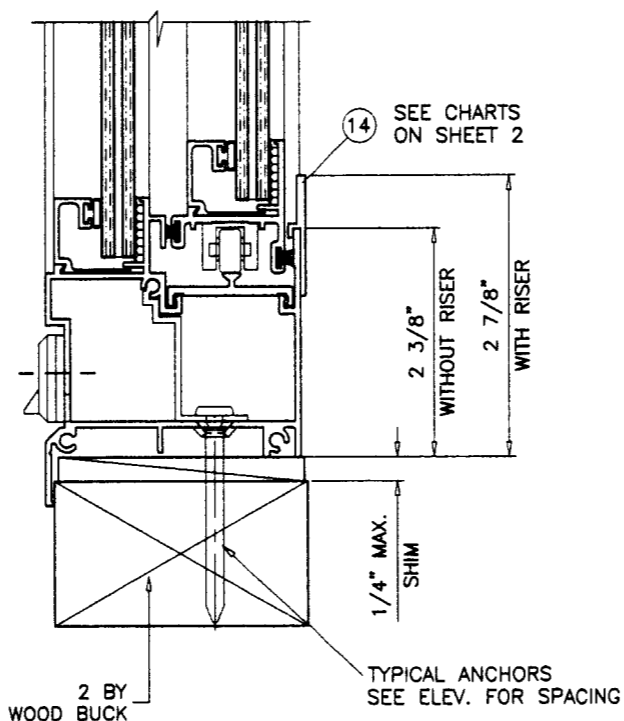


FRAME SILL STANDARD
LIMIT EXTERIOR(+) LOAD TO 70.0 PSF

METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : $F_y = 36$ KSI MIN.
ALUMINUM : 6063-T5 MIN.



FRAME SILL WITH ADD-ON RISER



WOOD BUCKS NOT BY LAWSON INDUSTRIES, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV./CHART FOR SPACING

3/16" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE

1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY

1-1/4" MIN. EMBED INTO MASONRY OR CONC.

3/16" DRILLFLEX SELF DRILLING SCREWS

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)

1/4" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE

1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY

1-1/4" MIN. EMBED INTO MASONRY OR CONC.

1/4" DRILLFLEX SELF DRILLING SCREWS

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)

#10 SMS

INTO APPROVED MULLIONS (NO SHIM SPACE)

SEALANTS:

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

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HS-8700 ALUM HORIZ. SLIDING WINDOW

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revisions:		by description	
no	date		

date: 01-21-02

scale: 1/2" = 1"

dr. by: HAMID

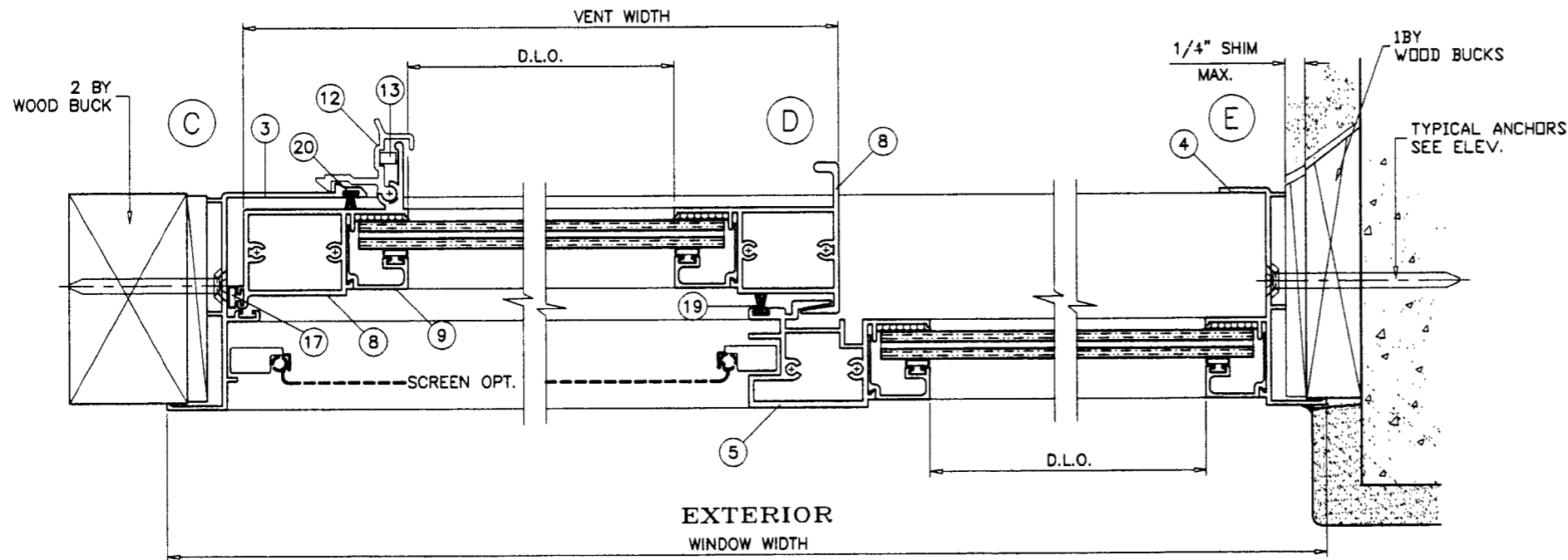
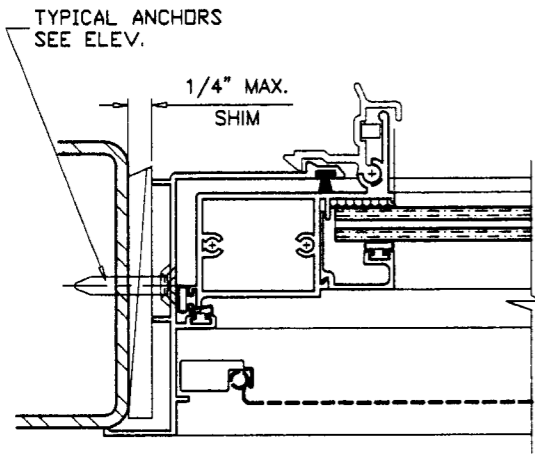
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drawing no.

W02-07

sheet 3 of 5

METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.



EXTERIOR
WINDOW WIDTH

XO LAYOUT
OX OPPOSITE

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	L-7703	1	FRAME HEAD	6063-T5	-
2	L-8701	1	FRAME SILL	6063-T6	-
3	L-8703	1	FRAME JAMB VENT	6063-T5	-
4	L-7701	1	FRAME JAMB FIXED	6063-T5	-
5	L-7704	1/ VENT	FIXED RAIL	6063-T6	-
6	L-7705	1/ VENT	VENT MEETING RAIL	6063-T6	-
7	L-7707	2/ VENT	TOP AND BOTTOM RAIL	6063-T6	-
8	L-7706	1/ VENT	JAMB STILE	6063-T5	-
9	L-7708	AS REQD.	GLAZING BEAD	6063-T5	-
10	L-8702	1	SILL TRACK INSERT	6063-T5	-
11	L-8705	1	SILL RETAINING CLIP, 3-1/4" LONG	6063-T5	BELOW FIX. MTG. RAIL
12	L-7539	2/ VENT	VENT LATCH	6063-T6	AT 8" FROM ENDS
13	L-7523	1/ LATCH	VENT LATCH SPRING	ST. STEEL	-
14	L-8706	1	SILL RISER ADAPTER	6063-T5	OPTIONAL
15	FS-006	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	-	#8 X 3/4" P.H. PHILLIPS SMS
16	-	2	FIX. RAIL SILL SCREWS (SILL END)	-	#8 X 2-1/2" P.H. PHILLIPS SMS
17	L-7531	AS REQD.	VENT JAMB RAIL W'STRIPPING	VINYL	1/4" DIA. BULB
18	PWS-003	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	.187" X .210" (7820-6001-9)
19	PWS-005	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	.187" X .350" (7834-6001-7)
20	PWS-009	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	.187" X .310" (7930-6001-9)
21	L-7718	AS REQD.	GLAZING BEAD GASKET	VINYL	#GV-010
22	HC-044-1	1/ WEEP	BAFFLE	NYLON	-
23	-	2/ BAFFLE	BAFFLE SCREW	-	#6 X 3/8" PH SMS
24	-	-	-	-	-
25	HC-040-1	2/ VENT	VENT ROLLER AND HOUSING	PLASTIC	AT EACH END

Engr: DR. HUMAYOUN FAROOQ
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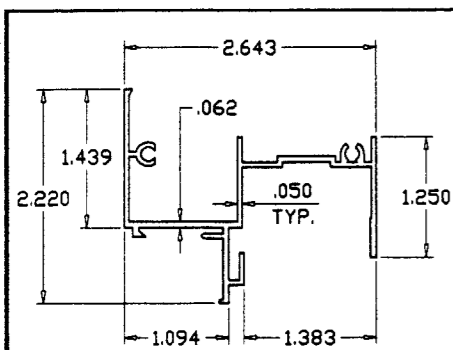
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revisions:
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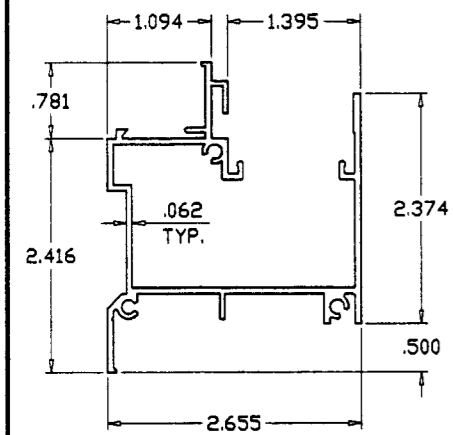
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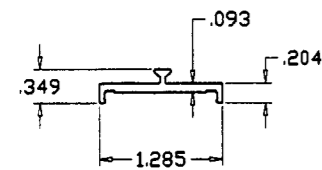
sheet 4 of 5



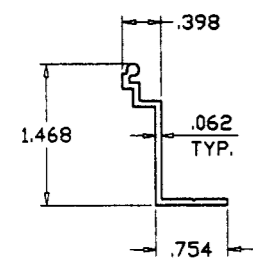
FRAME HEAD



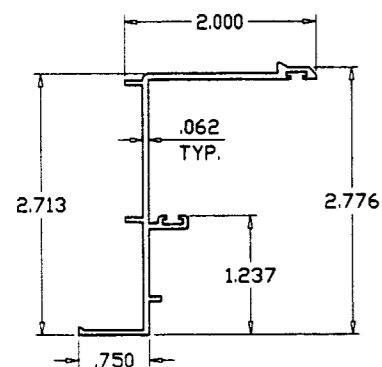
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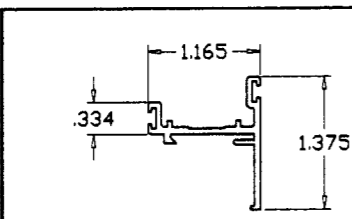
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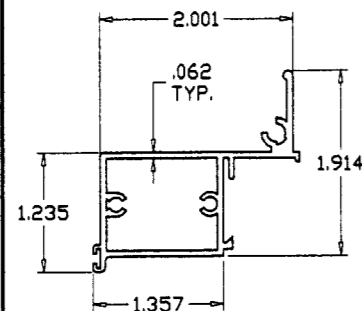
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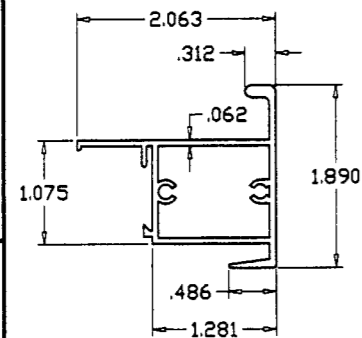
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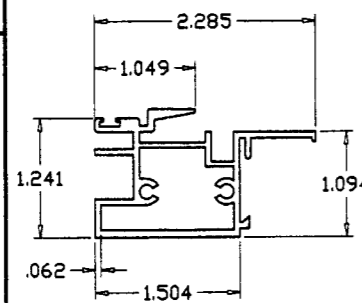
VENT TOP/BOTTOM RAIL



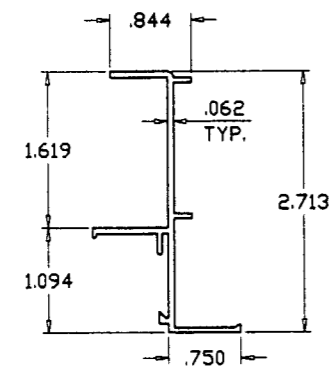
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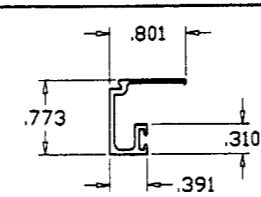
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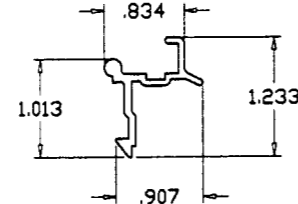
FIXED MTG. RAIL



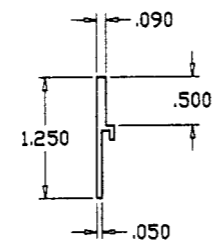
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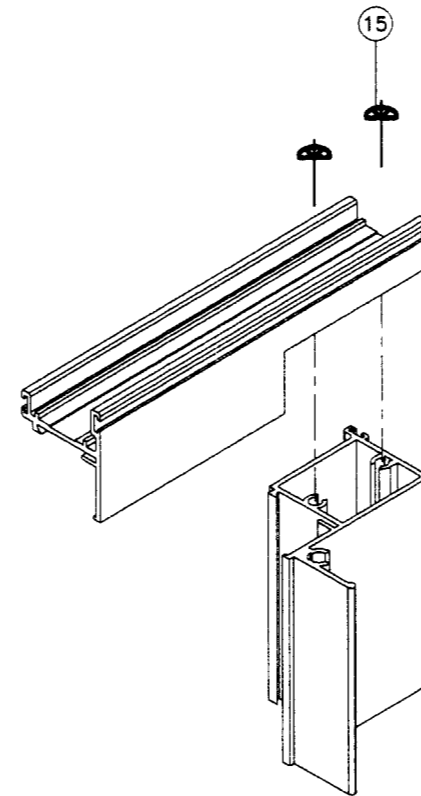
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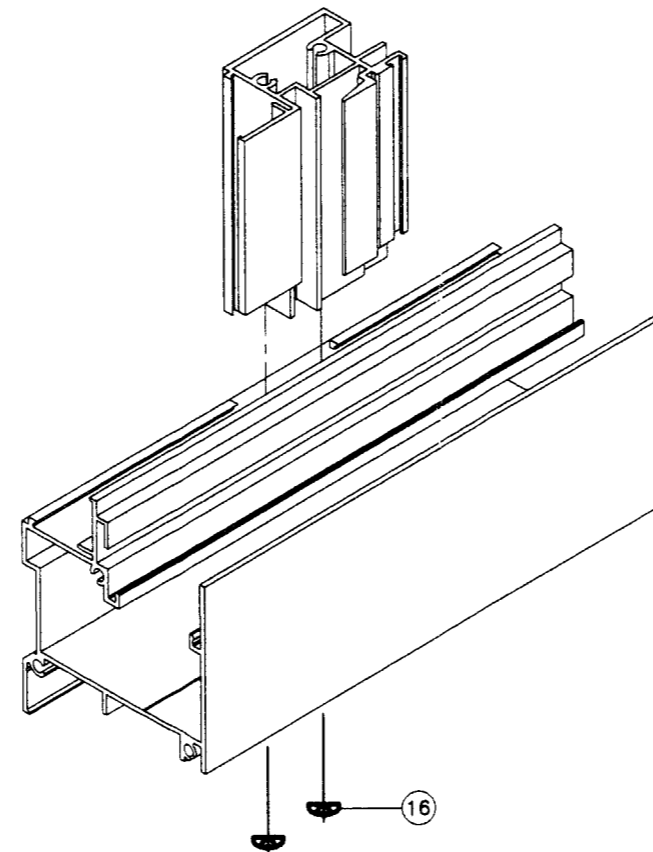
VENT LATCH



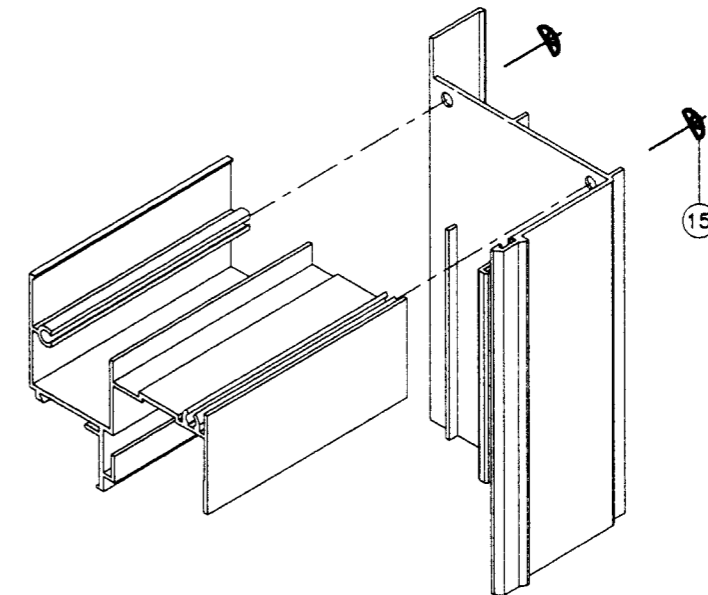
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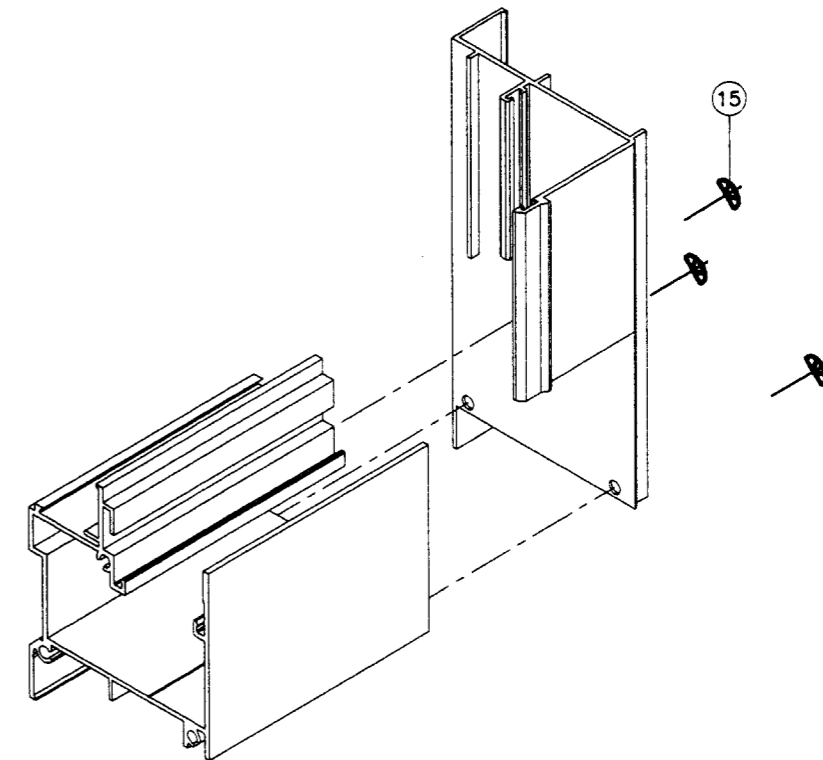
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557

~~MAR 15 2002~~

Approved as complying with the
Florida Building Code
Date 04/11/2002
NOA# 02-0227-05
Miami Dade Product Control
Division
By Wanda Perez

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chk. by:			
drawing no. W02-07			
sheet 5 of 5			